

FIGURE 1A

FIGURE 1B

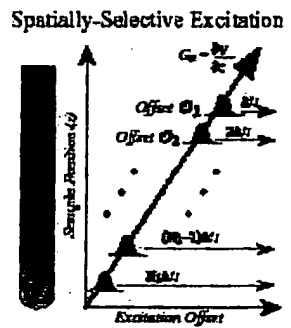


FIGURE 2A

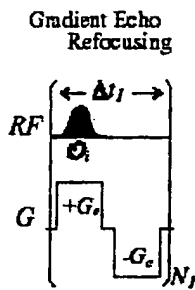


FIGURE 2B

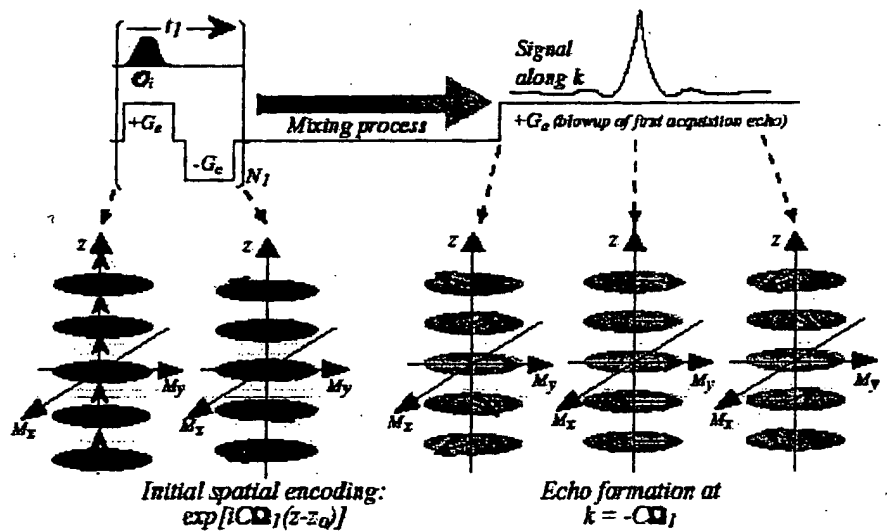
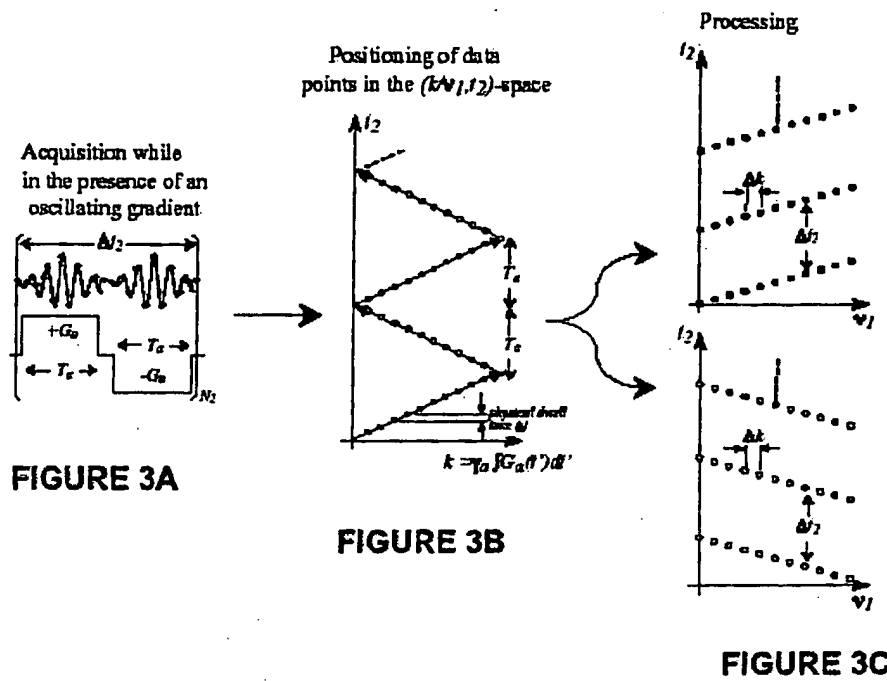


FIGURE 4

FIGURE 5A

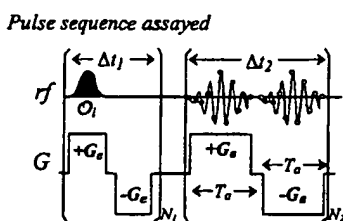


FIGURE 5B

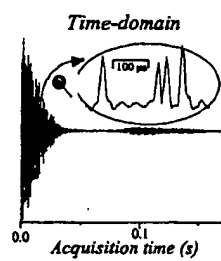


FIGURE 5C

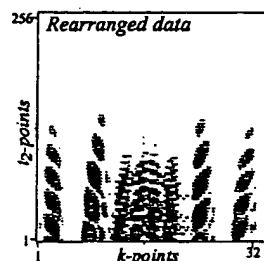


FIGURE 5D

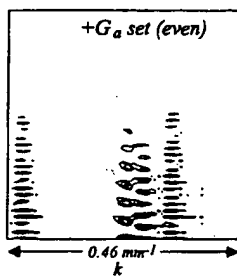


FIGURE 5E

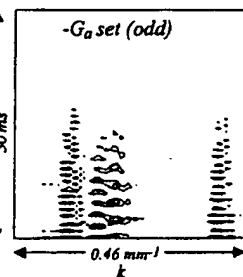


FIGURE 5F

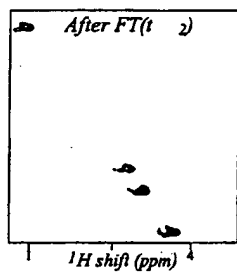
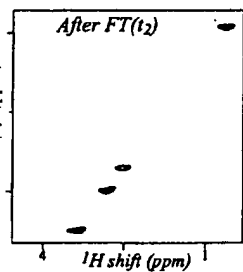


FIGURE 5G



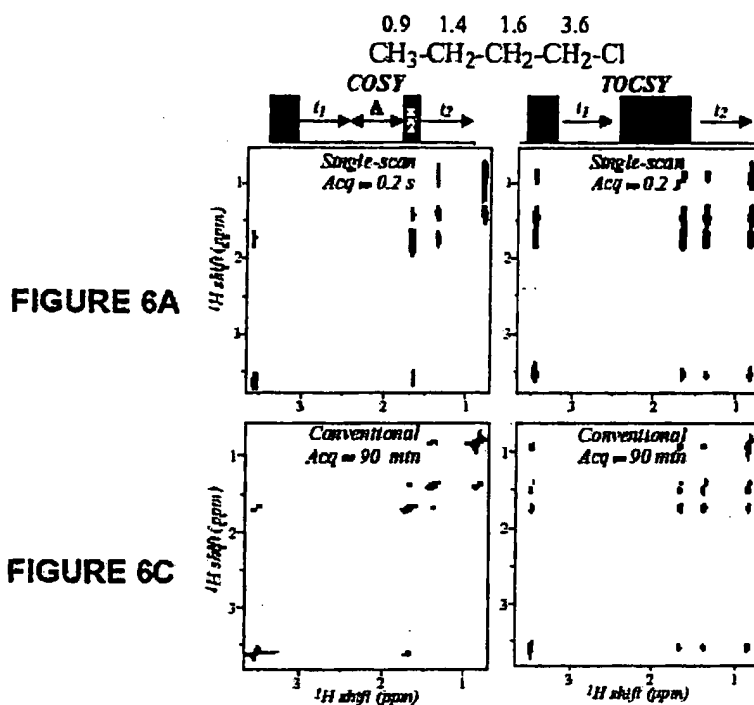


FIGURE 6B

FIGURE 6A

FIGURE 6D

FIGURE 6C

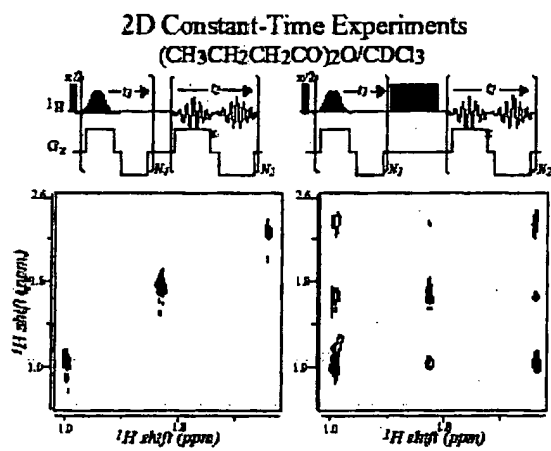


FIGURE 8A

FIGURE 8B

FIGURE 7A

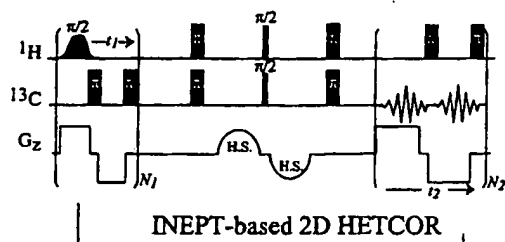


FIGURE 7B

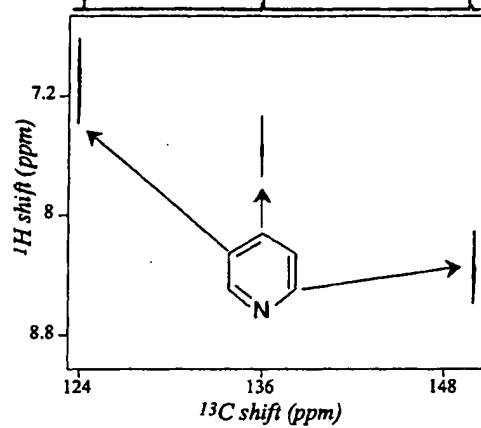


FIGURE 7C

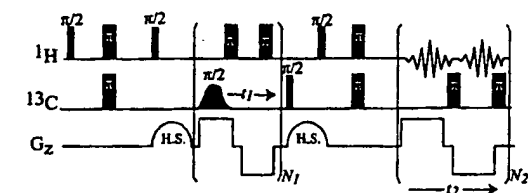


FIGURE 7D

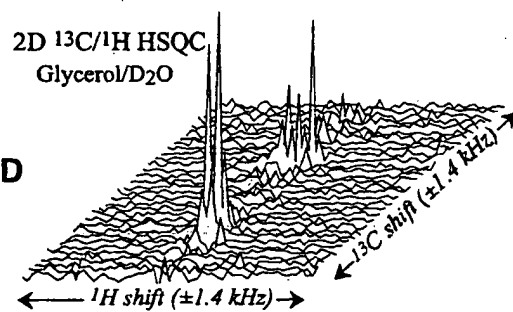


FIGURE 9A

Spatial encoding based on
discrete excitation pulses

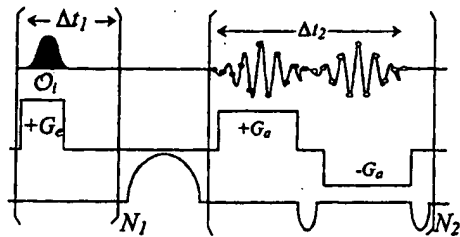


FIGURE 9B

Spatial encoding based on a
single chirp excitation pulse

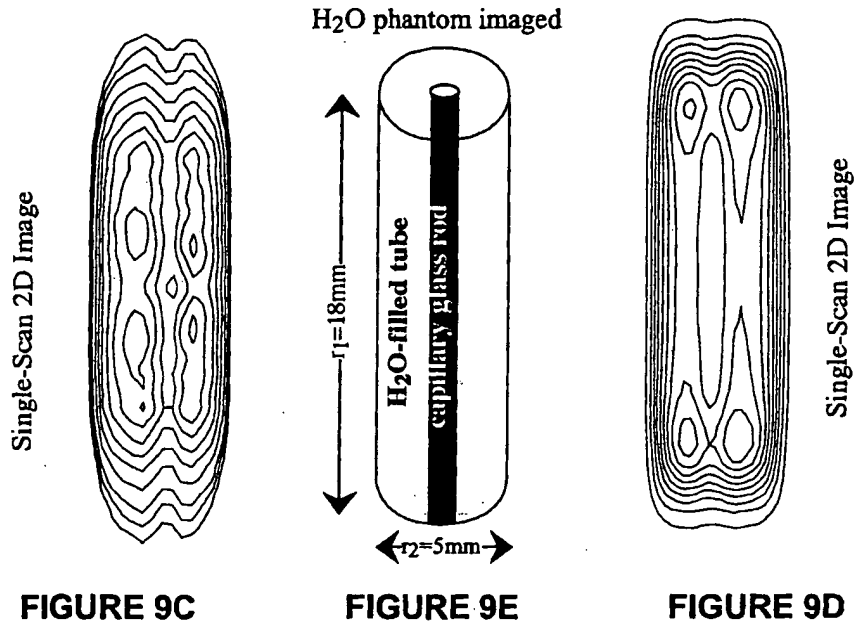
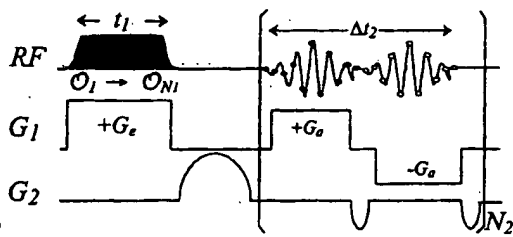


FIGURE 9C

FIGURE 9E

FIGURE 9D

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FIGURE 10

*Spatially-Localized 2D NMR Spectroscopy in a Single Scan
Total Data Acquisition Time: 106 ms*

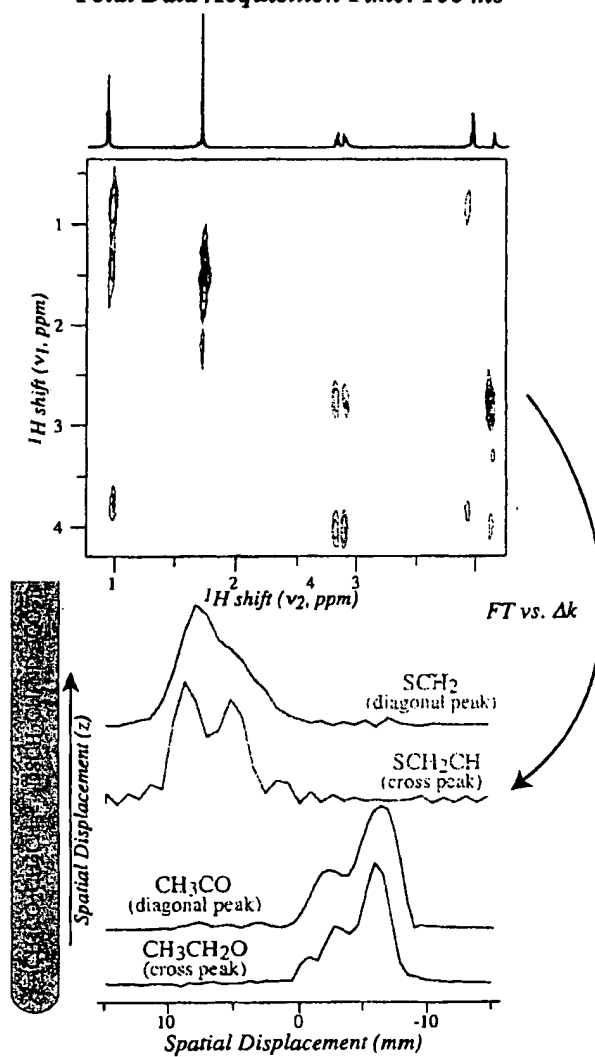


FIGURE 12A

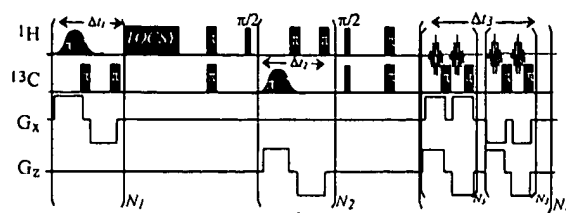


FIGURE 12B

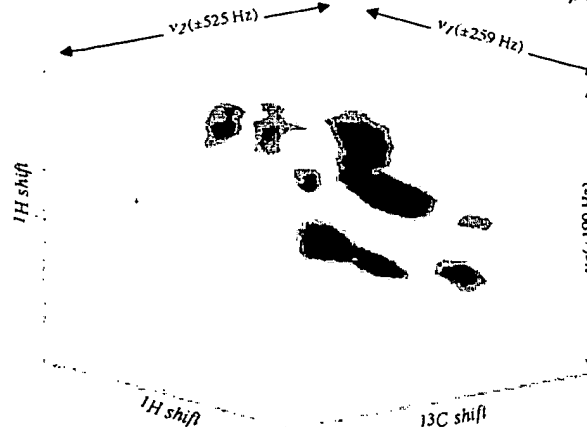


FIGURE 12C

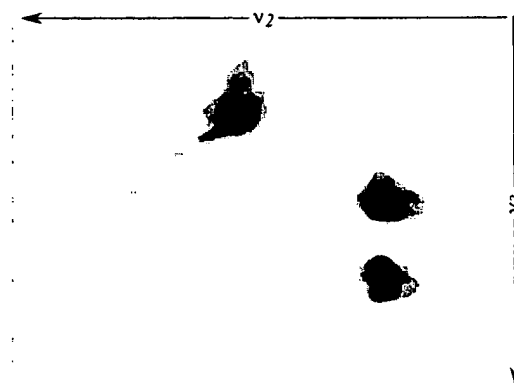
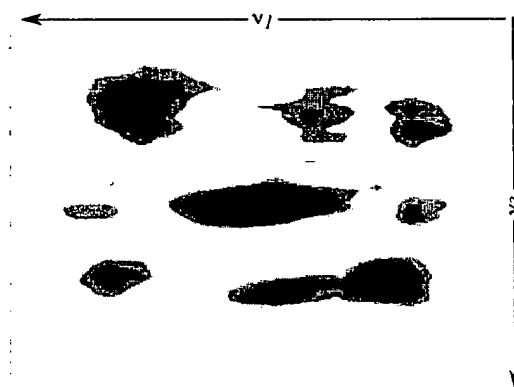


FIGURE 12D

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FIGURE 13A

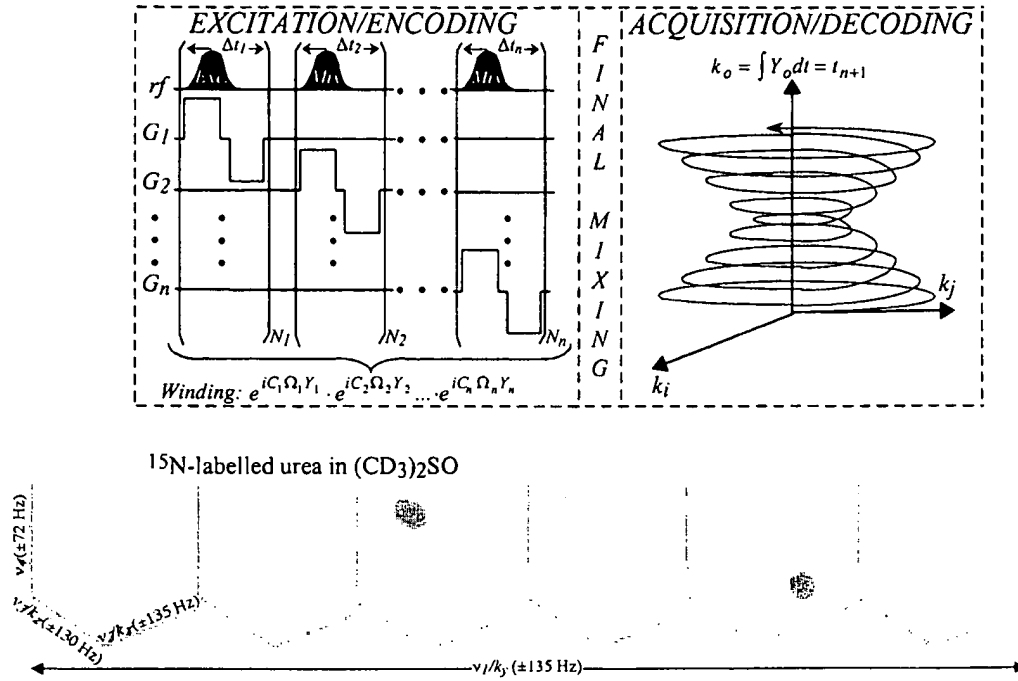


FIGURE 13B

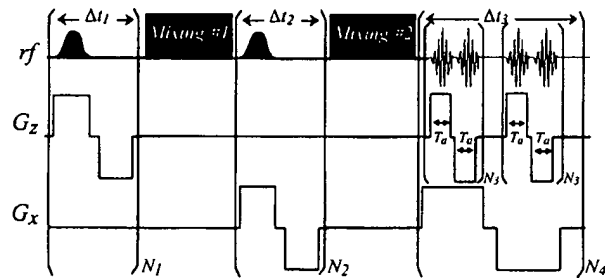


FIGURE 11

FIGURE 14A

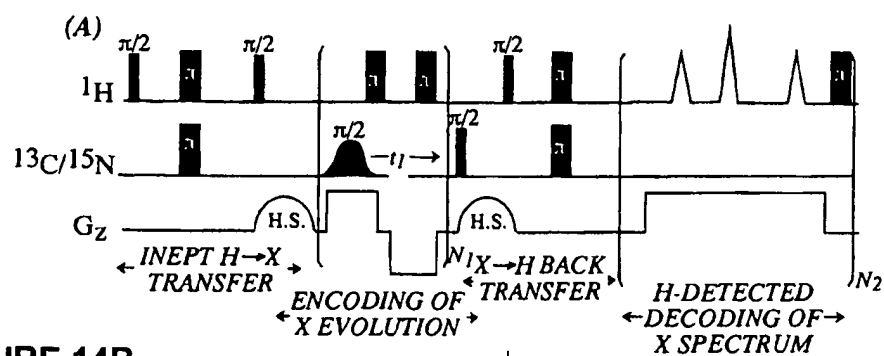


FIGURE 14B

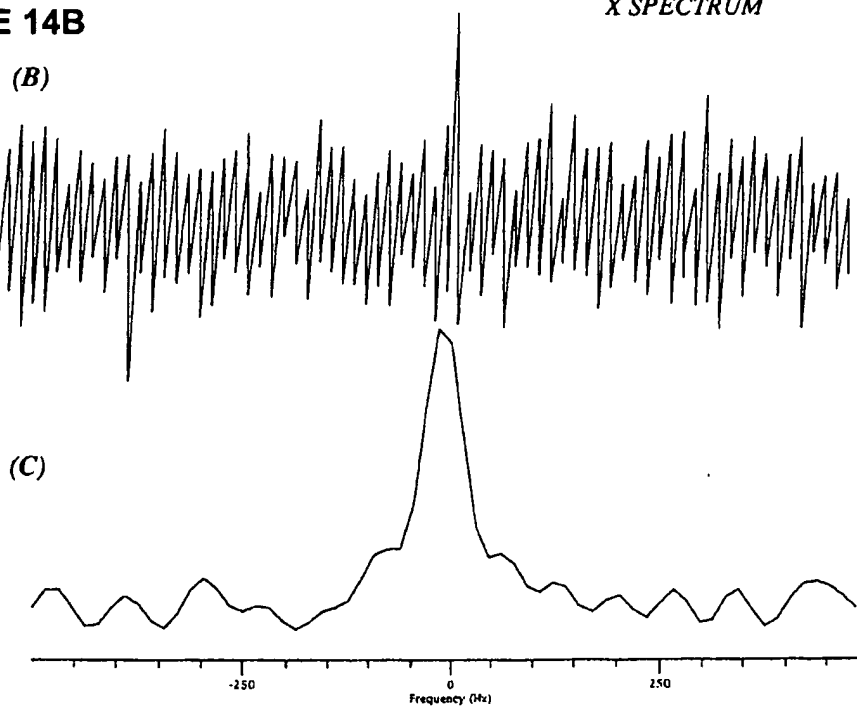


FIGURE 14C

FIGURE 15A

(A) Normal Excitation with:
RF Phase ϕ Constant; No Inhomogeneity

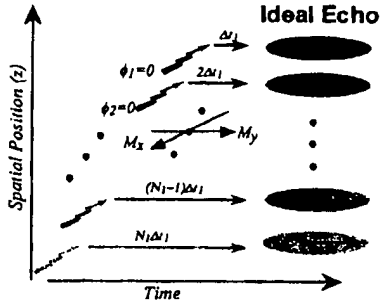


FIGURE 15B

(B) Normal Excitation with:
RF Phase ϕ Constant; Inhomogeneities

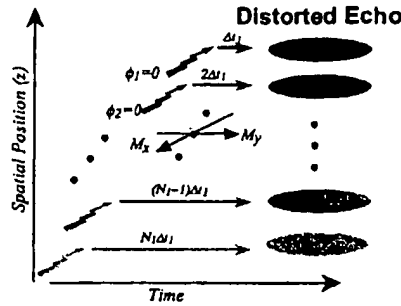
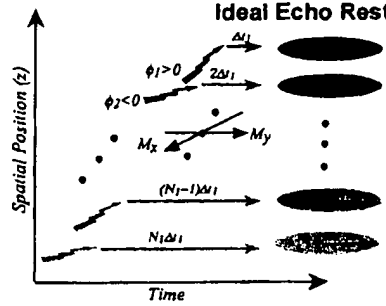


FIGURE 15C

(C) Tailored Excitation with:
Variable RF Phases ϕ_i ; Inhomogeneities



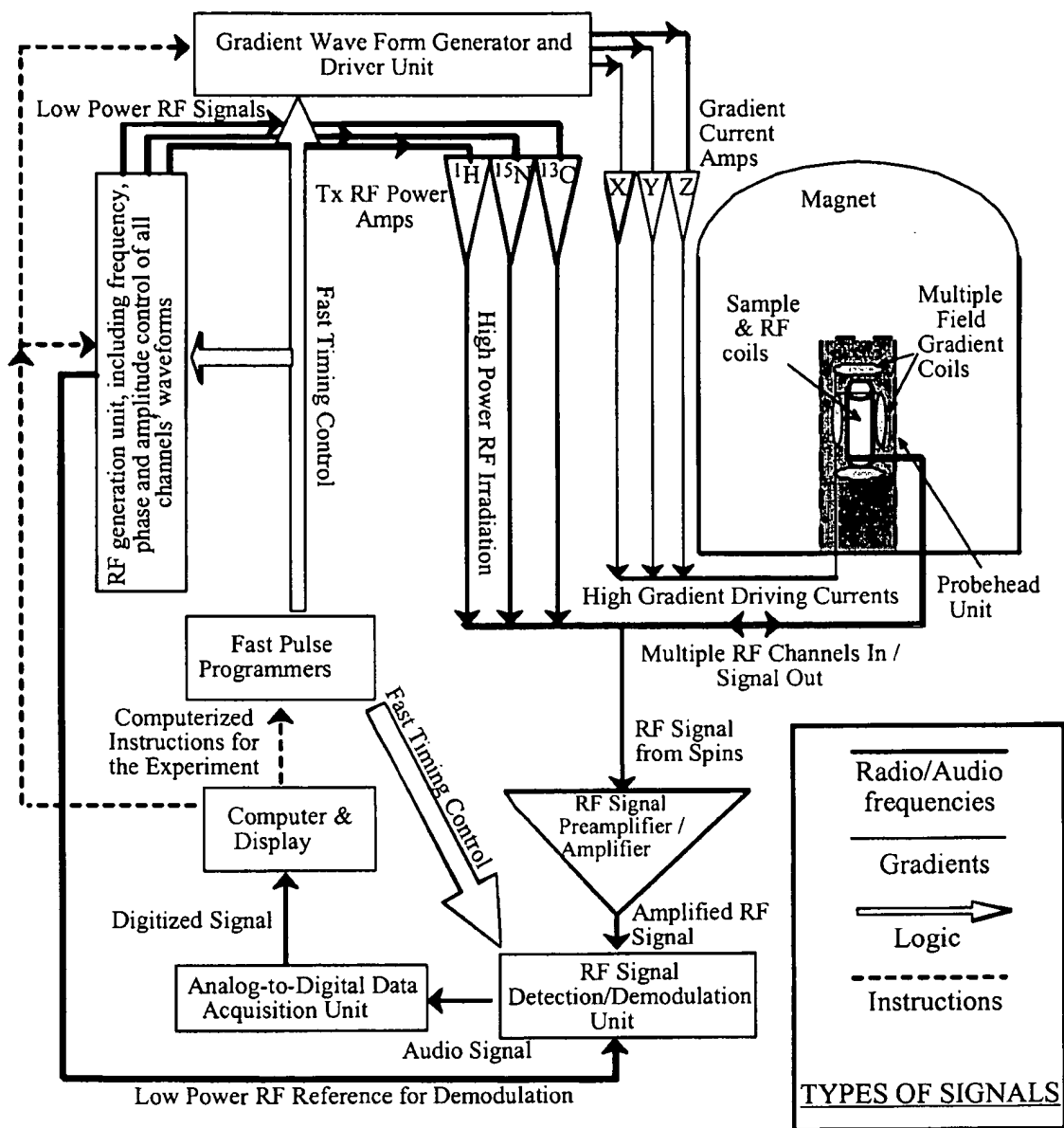


FIGURE 16

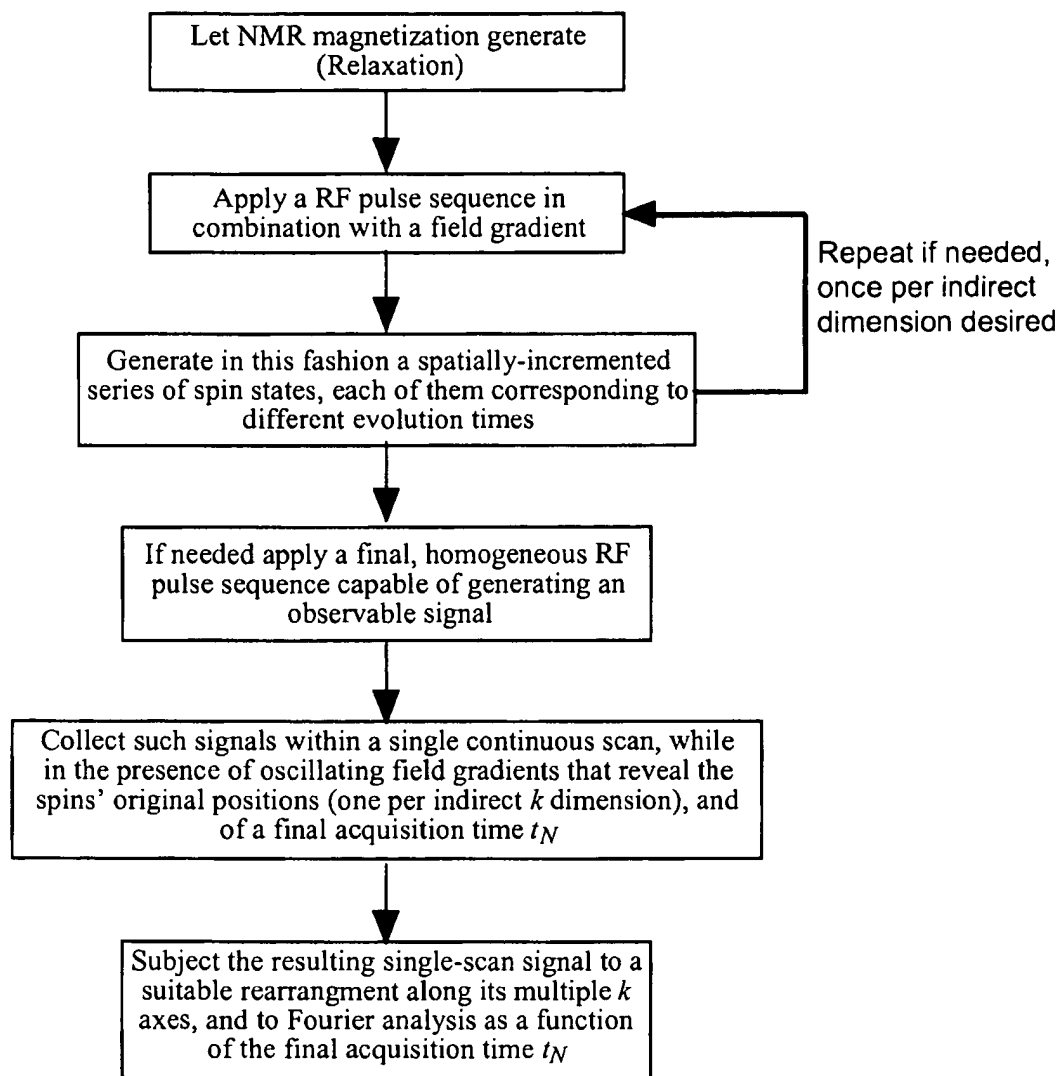


FIGURE 17